

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-205140

(43)Date of publication of application : 09.08.1996

(51)Int.Cl.

H04N 7/24

(21)Application number : 07-014196

(71)Applicant : CANON INC

(22)Date of filing : 31.01.1995

(72)Inventor : HIRABAYASHI KOJI

(54) IMAGE COMPRESSING DEVICE

(57)Abstract:

PURPOSE: To efficiently compress and encode image data.

CONSTITUTION: A block segmentation part 1 segments a block 102 of 16×16 pixels out of the image data 101. A block size decision part 2 judges the effectiveness of the block from the size of the redundant part in the block, divides it into a subblock of 8×8 size when the block is ineffective, and further checks its effectiveness repeatedly, thereby outputting division information 103 for further division into subblocks of 4×4 , 2×2 , and 1 pixel. A subblock segmentation part 3 segments a subblock 104 out of the block based on the division information 103 and outputs its block information 105. An encoding part 4 compresses and encodes the subblock 104 through a process for the size corresponding to the block information 105 and also encodes the block information 105. Therefore, the data can be compressed and encoded by using the redundant part in an image without any waste.

